

(0)	16	
(0) (2)	••••••	
(7)	23	
(7) BL: 23		
(8)	∞	
(15) (8)	8	Fig.2C PRIOR ART
(15)	15	ط
	BM: 15	
(16)	0	
(23)		
(23	7	
岛 :		

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Select bit range of data to be read from data storage zone, and locate addresses of starting and end data bits as (a) and (b), respectively, wherein the bit range includes n bits, and each data unit stored in data storage zone includes m bits.

1st shift S1 = mod [a,m] 2nd shift S2 = m-S1

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Shift a data unit rightwards with shift amount S1 to obtain 1st shifted data unit, shift next data unit leftwards with shift amount S2 to obtain 2nd shifted data unit, and synthesize 1st & 2nd shifted data units to obtain read data unit

Data unit

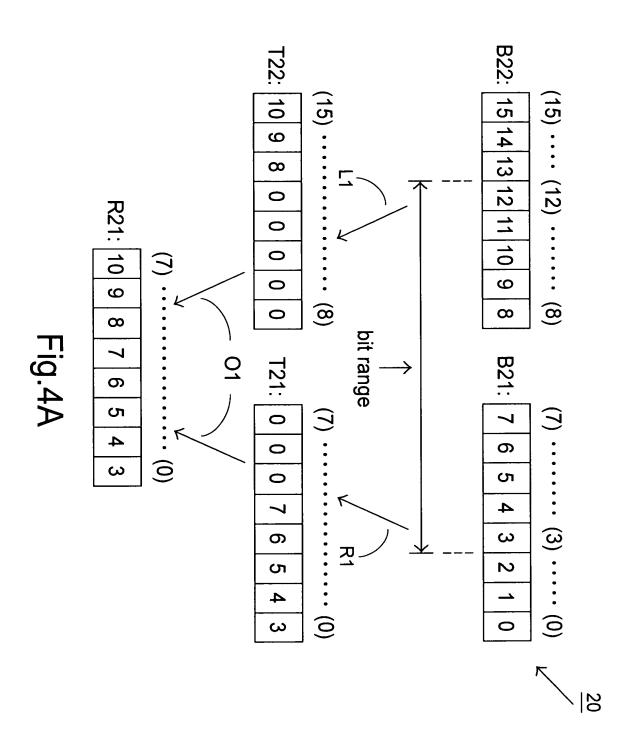
comprising end dat bit has been shifted?

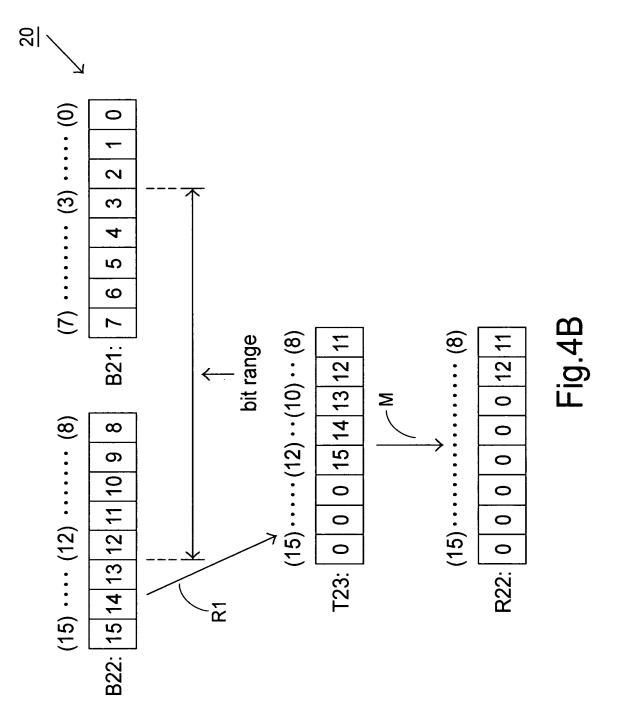
Yes

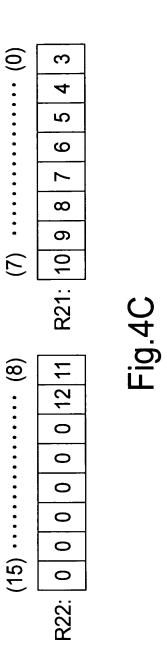
Perform masking procedure to obtain last read data unit

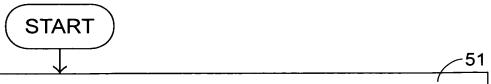
END

Fig.3









Select bit range of data to be written into data storage zone from address (a) of starting data bit and address (b) of end data bit wherein the bit range includes n bits, and each data unit stored in data storage zone includes on bits.

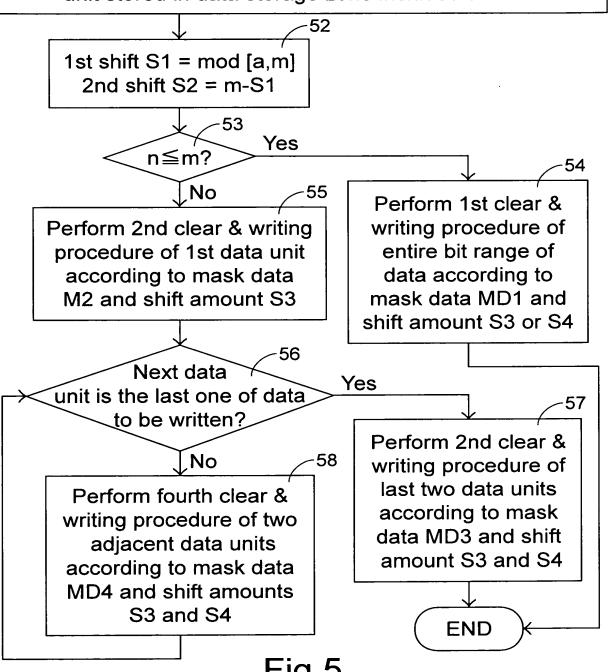


Fig.5

